## SEQUENCE LISTING

- (1) GENERAL INFORMATION:
  - APPLICANT: Morris, Macdonald S. Shoemaker, Daniel D. Davis, Ronald W. Mittmann, Michael P.
  - (ii) TITLE OF INVENTION: Methods and Compositions for Selecting Tag Nucleic Acids and Probe Arrays
  - (iii) NUMBER OF SEQUENCES: 56
  - (iv) CORRESPONDENCE ADDRESS:
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    - (C) CITY: San Francisco
    - (D) STATE: California
    - (E) COUNTRY: USA
    - (F) ZIP: 94111-3834
  - (v) COMPUTER READABLE FORM:
    - (A) MEDIUM TYPE: Floppy disk
    - (B) COMPUTER: IBM PC compatible
    - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
    - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

  - (vi) CURRENT APPLICATION DATA:
    (A) APPLICATION NUMBER: US 08/626,285
    - (B) FILING DATE: 04-JUN-1996
    - (C) CLASSIFICATION:
  - (viii) ATTORNEY/AGENT INFORMATION:
    - (A) NAME: Garrett-Wackowski, Eugenia(B) REGISTRATION NUMBER: 37,330

    - (C) REFERENCE/DOCKET NUMBER: 16528X-017300US
    - (ix) TELECOMMUNICATION INFORMATION:
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- (2) INFORMATION FOR SEQ ID NO:1:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 84 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (11) MOLECULE TYPE: DNA
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

AAAGAATACA CATACGAAAT ATTAACGATA GATGTCCACG AGGTCTCTTT GGTGCGCCCA

CAAACAAACT ATAGTGAGTC GTAT

60 84

(2)	NFORMATION FOR SEQ ID NO:2:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	ii) MOLECULE TYPE: DNA	
	xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:	
AAA	ATACA CATACGAAAT	20
(2)	NFORMATION FOR SEQ ID NO:3:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 66 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	ii) MOLECULE TYPE: DNA	
	xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:	
ATTO	GTGAG GAGTTACACT GGCGACTTGT AGTATATGTA AATCACGTTA AACAGCTATG	60
ACC	G	66
(2)	NFORMATION FOR SEQ ID NO:4:	
(2)	NFORMATION FOR SEQ ID NO:4:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(2)	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	
(2)	(i) SEQUENCE CHARACTERISTICS:    (A) LENGTH: 20 base pairs    (B) TYPE: nucleic acid    (C) STRANDEDNESS: single    (D) TOPOLOGY: linear	
	(i) SEQUENCE CHARACTERISTICS:     (A) LENGTH: 20 base pairs     (B) TYPE: nucleic acid     (C) STRANDEDNESS: single     (D) TOPOLOGY: linear  ii) MOLECULE TYPE: DNA	20
АТТО	(i) SEQUENCE CHARACTERISTICS:     (A) LENGTH: 20 base pairs     (B) TYPE: nucleic acid     (C) STRANDEDNESS: single     (D) TOPOLOGY: linear  ii) MOLECULE TYPE: DNA  xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:	20
АТТО	(i) SEQUENCE CHARACTERISTICS:     (A) LENGTH: 20 base pairs     (B) TYPE: nucleic acid     (C) STRANDEDNESS: single     (D) TOPOLOGY: linear  ii) MOLECULE TYPE: DNA  xi) SEQUENCE DESCRIPTION: SEQ ID NO:4: GTGAG GAGTTACACT	20
АТТО	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  ii) MOLECULE TYPE: DNA  xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  GTGAG GAGTTACACT  INFORMATION FOR SEQ ID NO:5:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	20
АТТО	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  ii) MOLECULE TYPE: DNA  xi) SEQUENCE DESCRIPTION: SEQ ID NO:4: GTGAG GAGTTACACT  INFORMATION FOR SEQ ID NO:5:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	20

(2) INFORMATION FOR SEQ ID NO:6:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	
GGCTCTCGAC AAATCTCAAA	20
(2) INFORMATION FOR SEQ ID NO:7:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 20 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: DNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:	
GCTGTCTCCA AAGCACGAAA	20
(2) INFORMATION FOR SEQ ID NO:8:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 20 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: DNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:	
GCGCTTCGCC AACAGATAAA	20
(2) INFORMATION FOR SEQ ID NO:9:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:	
GCCTGCTGCA AACCATTAAA	. 20

(2)	INFORMATION FOR BEQ 15 NO.10.	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:	
GGGC	CGTCCAA CAATGCACAA	20
(2)	INFORMATION FOR SEQ ID NO:11:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:	
GCCI	TTCGCAA CAATGGACAA	20
(2)	INFORMATION FOR SEQ ID NO:12:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:	
CCT	CTCAGCA AATGGTACAA	20
(2)	INFORMATION FOR SEQ ID NO:13:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:	

GGTCTGCTCA AATACACCAA

(2)	INFORMATION FOR SEQ ID NO.14.	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:	
GCAG	GATGCCA AACGGTCCAA	20
(2)	INFORMATION FOR SEQ ID NO:15:	
٠.	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:	
GCC	CGAGGCA AATTCAGCAA	20
(2)	INFORMATION FOR SEQ ID NO:16:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 18 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:	
CCC'	TCACTCA CTCACTCA	18
(2)	INFORMATION FOR SEQ ID NO:17:	
· .	(i) SEQUENCE CHARACTERISTICS:    (A) LENGTH: 16 base pairs    (B) TYPE: nucleic acid    (C) STRANDEDNESS: single    (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	<pre>(ix) FEATURE:    (A) NAME/KEY: -    (B) LOCATION: 1    (D) OTHER INFORMATION: /note= "N = preselected fixed</pre>	,

	<pre>(ix) FEATURE:     (A) NAME/KEY: -     (B) LOCATION: 2     (D) OTHER INFORMATION: /note= "N = preselected fixed nucleotide"</pre>	·
	(ix) FEATURE:  (A) NAME/KEY: -  (B) LOCATION: 16  (D) OTHER INFORMATION: /note= "N = preselected fixed nucleotide"	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:	-
NNN	итании ининии	. 16
(2)	INFORMATION FOR SEQ ID NO:18:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 16 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:	
CCA	TGAATAG AAGATC	16
(2)	INFORMATION FOR SEQ ID NO:19:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 16 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:	
AAA	CAATTCT AACAGG	16
(2)	INFORMATION FOR SEQ ID NO:20:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:	

AAACAAACAC CCGCGTGGTT

(2) INFORMATION FOR SEQ 15 NO.21.	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:	
AAACAAAGAC CCGCCGGTGT	20
(2) INFORMATION FOR SEQ ID NO:22:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:	
AAACAAATAC CCGCCGTGGG	20
(2) INFORMATION FOR SEQ ID NO:23:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:	
AAACAACAC CCGCGTGTGG	20
(2) INFORMATION FOR SEQ ID NO:24:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:	

AAACAACCAA CCCGGTGTGG

(2)	INFORMATION FOR SEQ ID NO:25:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	,
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:25:	
AAA	CAACGAA CCCGCTGGTG	20
(2)	INFORMATION FOR SEQ ID NO:26:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 20 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:26:	٠.
AAA	CAACTAA CCCGCTGTGG	20
(2)	INFORMATION FOR SEC. ID NO. 27	
(2)	INFORMATION FOR SEQ ID NO:27:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 20 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:27:	
AAA	CAAGAAC CCGCCGTTGG	20
(2)	INFORMATION FOR SEQ ID NO:28:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(vi) SPONENCE DESCRIPTION, SEC ID NO.20	

AAACAAGCAA CCCGGCGTGT

(2)	INFORMATION FOR SEQ ID NO:29:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:29:	
<b>AAA</b>	CAAGGAA CCCGCCTGGT	20
(2)	INFORMATION FOR SEQ ID NO:30:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:30:	
AAA	CAAGTAA CCCGCCTTTG	20
(2)	INFORMATION FOR SEQ ID NO:31:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:31:	
AAA	CAATAAC CCGCGCTGGG	20
(2)	INFORMATION FOR SEQ ID NO:32:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:32:	

AAACAATCAA CCCGCTTGGG

(2)	INFO	RMATION FOR SEQ ID NO:33:	
	(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:33:	
AAA	CAATG	AA CCCGCGTCGG	20
(2)	INFO	RMATION FOR SEQ ID NO:34:	
	(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:34:	
AAA	CAATT	AA CCCGCGTTCG	20
(2)	TNFO	RMATION FOR SEQ ID NO:35:	
(2)			
	(1)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA	
	(vi)	SEQUENCE DESCRIPTION: SEQ ID NO:35:	
AAA(		AC CCGCTGGTG	20
(2)	INFO	RMATION FOR SEQ ID NO:36:	
	(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:36:	

AAACACACAA CCCGTGGTGG

(2)	INFORMATION FOR SEQ ID NO:37:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:37:	
AAA	CACAGAA CCCGCTTTGG	20
(2)	INFORMATION FOR SEQ ID NO:38:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(x1) SEQUENCE DESCRIPTION: SEQ ID NO:38:	
AAA	CACATAA CCCGGCGGTG ·	20
(2)	INFORMATION FOR SEQ ID NO:39:	
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	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:39:	
AAA	CACCAAA CCCGTTGTGG	20
(2)	INFORMATION FOR SEQ ID NO:40:	
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	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:40:	

AAACACCCAA ACCGTTGTGG

(2)	INFORM	AATION FOR SEQ ID NO:41:	
	(i) S	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) M	MOLECULE TYPE: DNA	
	(xi) S	SEQUENCE DESCRIPTION: SEQ ID NO:41:	
AAA	CACCGAA	A ACCCTGTGGG	20
(2)	INFORM	MATION FOR SEQ ID NO:42:	
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	(ii) M	MOLECULE TYPE: DNA	
	(xi) S	SEQUENCE DESCRIPTION: SEQ ID NO:42:	
AAA	CACCTAA	ACCCTTGTGG	20
(2)	INFORM	MATION FOR SEQ ID NO:43:	
,			
	(i) S	EQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(i) S	EQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single	
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AAAC	(ii) S (ii) M (xi) S	EQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (OLECULE TYPE: DNA	20
	(i) S (ii) M (xi) S CACGAAA	EQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  MOLECULE TYPE: DNA  SEQUENCE DESCRIPTION: SEQ ID NO:43:	20
	(ii) S (ii) M (xi) S CACGAAA INFORM	EQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  MOLECULE TYPE: DNA  SEQUENCE DESCRIPTION: SEQ ID NO:43:	20

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:44:

AAACACGCAA ACCCGGTGGT

(2)	INFORMATION FOR SEQ ID NO:45:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:45:	
AAA	ACGGAA ACCCTCGGTG	20
(2)	INFORMATION FOR SEQ ID NO:46:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:46:	
AAA	ACGTAA ACCCGTCGGT	20
(2)	INFORMATION FOR SEQ ID NO:47:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
•	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:47:	
AAA	ACTAAA CCCGTGCGGT	20
(2)	INFORMATION FOR SEQ ID NO:48:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:48:	

AAACACTCAA ACCCTGGTGG

(2) INF	FORMATION FOR SEQ ID NO:49:	
(i	(A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii	I) MOLECULE TYPE: DNA	
(xi	i) SEQUENCE DESCRIPTION: SEQ ID NO:49:	
AAACACI	TGAA ACCCGTCTGG	20
(2) INF	FORMATION FOR SEQ ID NO:50:	
<b>i )</b>	<ul> <li>SEQUENCE CHARACTERISTICS:         <ul> <li>(A) LENGTH: 20 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> </ul>	
(ii	i) MOLECULE TYPE: DNA	
(xi	i) SEQUENCE DESCRIPTION: SEQ ID NO:50:	
AAACACT	TTAA ACCCGTTCGG	20
(2) INF	FORMATION FOR SEQ ID NO:51:	
( i	i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii	i) MOLECULE TYPE: DNA	
(xi	i) SEQUENCE DESCRIPTION: SEQ ID NO:51:	
AAACAGA	AAAC CCGCTCGGTG	20
(2) IN	FORMATION FOR SEQ ID NO:52:	
<b>(</b> i	i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
i.i.).	i) MOLECULE TYPE: DNA	
(xi	i) SEQUENCE DESCRIPTION: SEQ ID NO:52:	
AAACAGA	ACAA CCCGGCTTGG	. 20

(2) INFORMATION FOR SEQ ID NO:53:

(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:53:	
AAACAGAGAA CCCGGCCTTG	20
(2) INFORMATION FOR SEQ ID NO:54:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:54:	
AAACAGATAA CCCGCTCTTG	20
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<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 20 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: DNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:55:	•
AAACAGCAAA CCCGTGGCGT	. 20
(2) INFORMATION FOR SEQ ID NO:56:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 20 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: DNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:56:	
AAACAGCCAA ACCGCGTGGT	20